APPROVAL OF MANUFACTURER CERTIFICATE

Certificate no.:
AMMM0000057
Revision No:
5

This is to certify:

that

Tubacex Tubes and Pipes Private Limited

Tubacex Tubes & Pipes Private Ltd.
Survey No. 131/1, Umbergaon Sanjan Road,
Umbergaon, Dist.- Valsad, Gujarat,
India

is an approved manufacturer of
Steel Pipes and Fittings

in accordance with

DNV rules for classification – Ships
DNV-OS-B101 – Metallic materials
DNV class programme – DNV-CP-0252 Steel pipes and steel pipe fittings

and the following particulars:

Product	**Pipes**
Application area	**Austenitic,** **Ferritic-austenitic steel pipes**
Steel type	**Austenitic stainless,** **Ferritic-austenitic (Duplex) stainless**
Manufacturing method	**Seamless**
Max. outer diameter	**See page 2**
Max. wall thickness	**See page 2**
Heat treatment condition	**Solution heat treated**
Additional approval conditions	**See page 2**

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2026-06-08**

This Certificate is valid until **2028-06-30**.
DNV local unit: **India CMC & NB**

Approval Engineer: **Stefan Röhr**

for **DNV**

This document has been digitally signed and will therefore not have handwritten signature
Christian Wildhagen

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Particulars of the approval

Austenitic and Ferritic-austenitic steel pipes

Steel type /grade [3) 4)]	Manufacturing method [1)]	Max. outer diameter [mm]	Max. wall thickness [mm]	Heat treatment condition [2)]
Austenitic stainless	HFS, CFS	273,1	9,27	SHT
22Cr duplex stainless 25Cr duplex stainless	HFS, CFS	48,3	3,68	SHT

Remarks:

1) HFS: Hot finished seamless
CFS: Cold finished seamless
2) SHT: Solution Heat Treated (solution annealing)
3) Austenitic and ferritic-austenitic steel pipes
Suitable pipe grades shall be selected from the following recognized standards:
ISO 9329 Part 4, ISO 9330 Part 6, EN 10216 Part 5, EN 10217 Part 7, ASTM A269, ASTM A312, ASTM A358, ASTM A789, ASTM A790, ASTM A928 or JIS G3459
4) Pipes for low-temperature service
Suitable pipe grades shall be selected from the following recognized standards:
ISO 9329 Part 3, ISO 9330 Part 3, EN 10216 Part 4, EN 10217 Part 6, ASTM A333, ASTM A334 or JIS G3460

Additional approval conditions:
Including low temperature service;
Including automated Non-Destructive Testing in place of hydraulic testing according to relevant piping standard